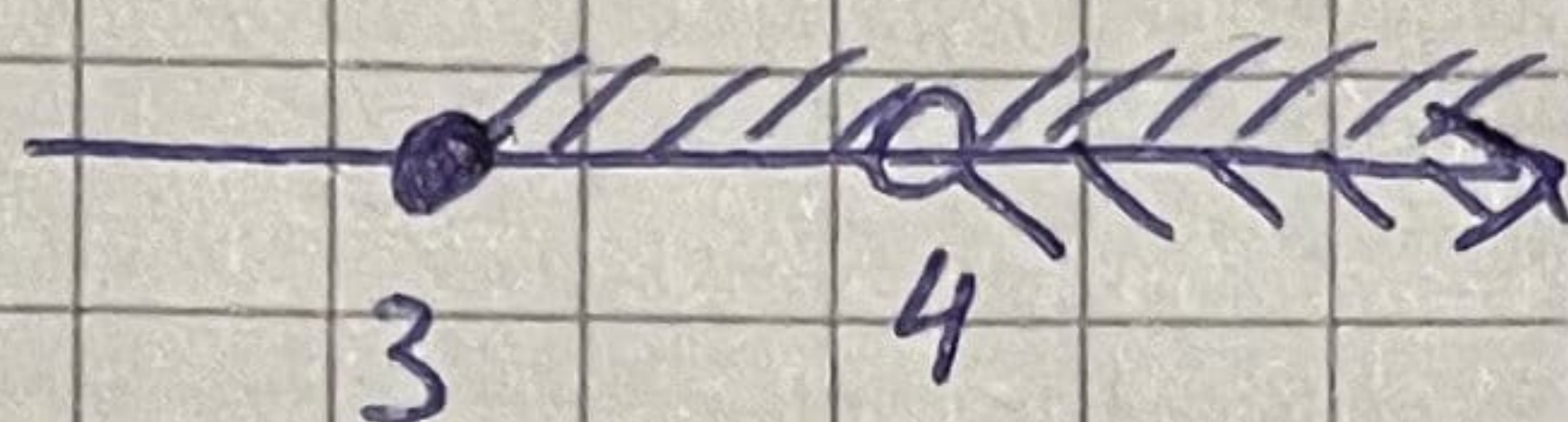


$$1) \begin{cases} -4x \leq -12 \\ x + 2 > 6 \end{cases}$$

$$\begin{cases} -x \leq -12 : 4 \\ x > 6 - 2 \end{cases}$$

$$\begin{cases} -x \leq -3 \quad | \cdot (-1) \\ x > 4 \end{cases}$$

$$\begin{cases} x \geq 3 \\ x > 4 \end{cases}$$



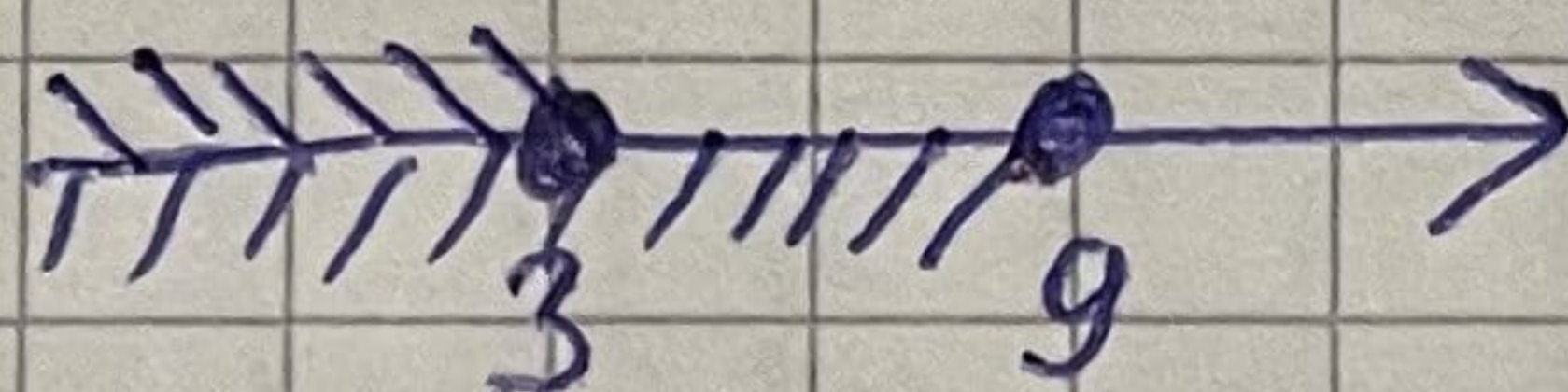
$$x \in (4; +\infty)$$

$$2) \begin{cases} 8 - x \geq 5 \\ x - 7 \leq 2 \end{cases}$$

$$\begin{cases} -x \geq 5 - 8 \\ x \leq 2 + 7 \end{cases}$$

$$\begin{cases} -x \geq -3 \quad | \cdot (-1) \\ x \leq 9 \end{cases}$$

$$\begin{cases} x \leq 3 \\ x \leq 9 \end{cases}$$



$$x \in (-\infty; 3]$$

$$3) \begin{cases} 3x - 3 < 5x \\ 7x - 10 < 5x \end{cases}$$

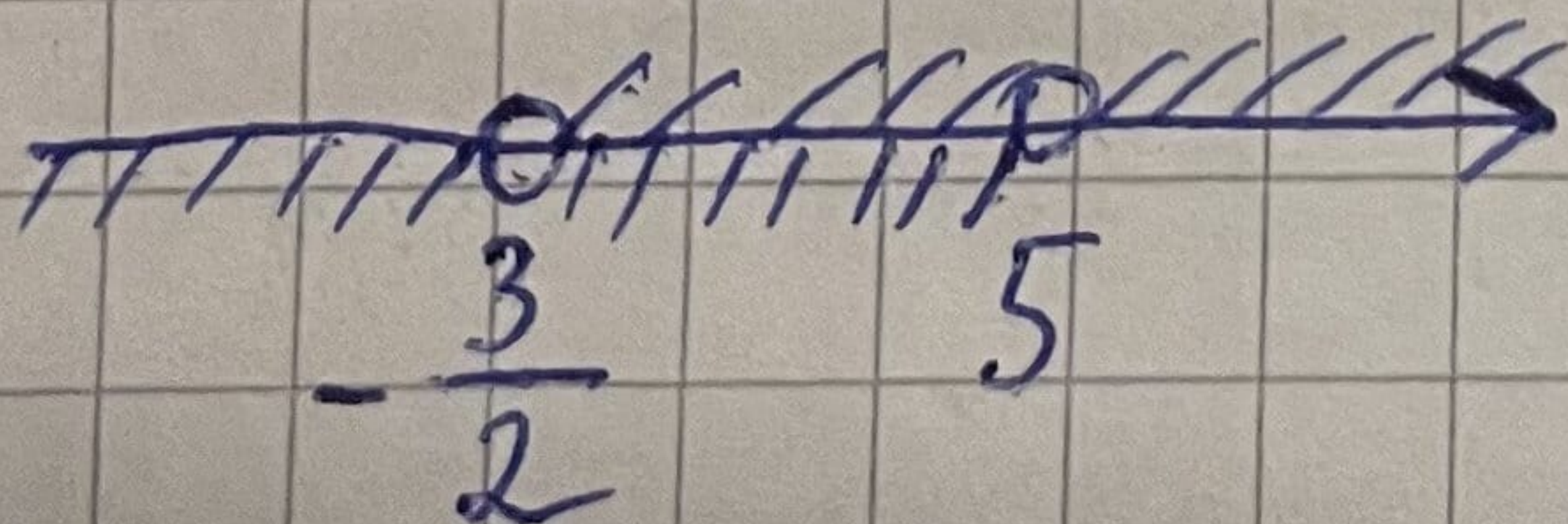
$$\begin{cases} 3x - 5x < 3 \\ 7x - 5x < 10 \end{cases}$$

$$\begin{cases} -2x < 3 \\ 2x < 10 \end{cases}$$

$$\begin{cases} -x < 3 : 2 \\ x < 10 : 2 \end{cases}$$

$$\begin{cases} -x < \frac{3}{2} \quad | \cdot (-1) \\ x < 5 \end{cases}$$

$$\begin{cases} x > -\frac{3}{2} \\ x < 5 \end{cases}$$



$$x \in (-\frac{3}{2}; 5)$$